

Title (en)

MULTIPART INSULATING ELEMENT, IN PARTICULAR FOR A FUEL INJECTION DEVICE

Title (de)

MEHRTEILIGES ISOLATIONSELEMENT, INSBESONDERE FÜR EINE BRENNSTOFFEINSPRITZVORRICHTUNG

Title (fr)

ÉLÉMENT D'ISOLATION EN PLUSIEURS PARTIES, EN PARTICULIER POUR UN DISPOSITIF D'INJECTION DE CARBURANT

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Application

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Priority

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Abstract (en)

[origin: WO2013156258A1] The invention relates to an insulating element for a fuel injection device. The insulating element is characterized particularly by the implementation of a low-noise design. The fuel injection device comprises at least one fuel injection valve (1), a receiving bore (20) in a cylinder head (9) for the fuel injection valve (1), and the insulating element (30) between a valve housing (22) of the fuel injection valve (1) and a wall of the receiving bore (20). The insulating element (30) has an inner insulating ring (33) which is encapsulated between an outer ring (31) and an inner ring (32). The outer ring (31) is oriented towards the fuel injection valve (1), and the inner ring (32) is oriented towards the wall of the receiving bore (20) such that the outer ring (31) rests on the fuel injection valve (1) and the inner ring (32) rests on the cylinder head (9) in the assembled state of the insulating element (30). The fuel injection device is particularly suitable for directly injecting fuel into a combustion chamber of a mixture-compressing internal combustion engine with an externally supplied ignition.

IPC 8 full level

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